DAVISON RURAL WATER SYSTEM, INC.

2009 ANNUAL WATER QUALITY REPORT

Water Quality

This brochure is a snapshot of the quality of the water that we provided last year. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies.

Water Source

We serve more than 2,364 customers an average of 384,000 gallons of water per day. Our water is surface water, the Missouri River, which we purchase from another rural water system, the Randall Community Water District. The state has performed an assessment of our source water and they have determined that the relative susceptibility rating for the Davison Rural Water System, Inc. public water supply system is low.

For more information about your water and information on opportunities to participate in public meetings, call (605) 996-2266 and ask for Daniel Schroeder.

Additional Information

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also, come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Mealth Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by

Cryptosporidium and other microbial contaminants can be obtained by calling the Environment Protection Agency's Safe Drinking Water Hotline (800-426-4791).

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Davison Rural Water System public supply system is responsible for providing high quality drinking water, but can not control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

RECEIVED MAY 2 0 2010

Drinking Water Program

PO Box 668
Mitchell SD 57301

Detected Contaminants

The attached table lists all the drinking water contaminants that we detected during the 2009 calendar year. The presence of these contaminants in the water does not necessarily, indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January I – December 31, 2009. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old

Terms and Abbreviations Cast in This Dable

- Action Level (AL) The concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Contaminant Level (MCL) The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology,
- Maximum Contaminant Level Goal (MCLG) The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.
- Removal Ration (RR) The TOC removal ratio is the ratio between the actual TOC removal and the TOC removal requirements. The lowest running annual average of quarterly percentages is reported.

Units

- ppb parts per billion, or micrograms per liter (ug/l)
- ppm parts per million, or milligrams per liter (mg/l)
- NTU Nephelometric Turbidity Units)

		2009 T	able of Detected	l(Contaminant	s for Randall	Commun	ity\Water\District
				Highest Level	ldeal		
	Level	_	Date	Allowed	Goal	** **-	Market Comment
Substance	Detected	Range	Tested	(MCL)	(MCLG)		Major Source of Contaminant
Antimony	0.5		09/26/06	6	6	ppb	Discharge from petroleum refineries: fire retardants: ceramics: electronics solder
Barium	0,038	0.035 - 0.038	09/26/06	2	2	ppm	Discharge of drilling wastes & metal refineries; erosion of natural deposit
Fluoride	1.44	1.05 – 1.44	10/06/09	4	4	ppm	Erosion of natural deposits: water additive which promotes strong teeth: discharge from fertilizer and aluminum factories
Haloacetic Acids	40.9	ND - 40.9	03/13/09	60	0	ppb	By-product of drinking water chlorination
Selenium	2.8	1.3 – 2.8	09/26/06	50	50	ppb	Discharge from mines, petroleum & metal refineries; erosion of natural deposits
Total Organic Carbon	1.01	1,01 - 1.13		RR	NA_		Naturally present in the environment
Total Trihalomethanes	67.0	ND - 67.0	05/27/09	80	0	ppb	By-product of drinking water chlorination
Turbidity	0.32	99% samples below 0.3	01/01/09	тт	NA	ทาบ	Soil runoff. Turbidity is a measurement of the clarity of water.
· 10-14-11 · 20-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	PO C. CAR	200	9/Table of Dete	cted/Contamin	ants for Davi	son Rural	Water System
				Highest			
	90%]]		Level	Ideal	Ì	·
	Level	Test Sites >	Date	Allowed	Goat	l	
Substance		Action Level	Tested	(MCL)	(MCLG)	Units	Major Source of Contaminant
Copper	0.4	0	06/04/09	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	- · · · 	0	06/04/09	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits